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› [Hitachi Toshi Plus 1.5 TR 3-Star Inverter Split Air Conditioner User Manual \(Model RAK/RAS.E318PCBIB\)](#)

Hitachi RAK/RAS.E318PCBIB

Hitachi Toshi Plus 1.5 TR 3-Star Inverter Split Air Conditioner User Manual

Model: RAK/RAS.E318PCBIB

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Hitachi Toshi Plus 1.5 TR 3-Star Inverter Split Air Conditioner. Please read this manual thoroughly before using the appliance and keep it for future reference.

The Hitachi Toshi Plus 1.5 TR 3-Star Inverter Split Air Conditioner is designed to provide comfortable cooling for rooms up to 170 sq. ft. It features an inverter compressor for variable speed operation, adjusting power based on heat load, and includes a Sleep Mode for optimized night-time comfort.

2. SAFETY INFORMATION

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- **Professional Installation:** Installation must be performed by qualified service personnel in accordance with national wiring standards. Do not attempt to install the unit yourself.
- **Power Supply:** Ensure the power supply matches the specifications of the air conditioner. Do not use extension cords or multi-outlet adapters.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Refrigerant:** This unit uses R-32 refrigerant. Do not attempt to service the refrigerant system yourself. Contact qualified personnel.
- **Cleaning:** Always disconnect power before cleaning or performing maintenance.
- **Obstructions:** Do not block the air inlet or outlet of the indoor or outdoor unit.
- **Children:** Keep children away from the unit and remote control.

3. PACKAGE CONTENTS

Please check that all the following items are included in the package:

- Indoor Unit

- Outdoor Unit
- Remote Control
- User Manual
- Installation Kit (may vary by region, typically includes copper pipes, drain hose, wiring)

4. INSTALLATION AND SETUP

Installation of this air conditioner requires specialized skills and tools. It is strongly recommended that you arrange for professional installation by a certified technician.

4.1 Indoor Unit Placement

The indoor unit should be mounted on a wall where air can circulate freely throughout the room. Avoid direct sunlight and heat sources. Ensure there is sufficient space around the unit for maintenance and proper airflow.



Figure 1: Front view of the Hitachi Tough Plus indoor unit.



Figure 2: Angled view of the Hitachi Tough Plus indoor unit, showing its sleek design.

4.2 Outdoor Unit Placement

The outdoor unit should be placed in a well-ventilated area, away from direct sunlight and obstructions. Ensure there is adequate space for air intake and exhaust. The outdoor unit must be installed on a stable, level surface.

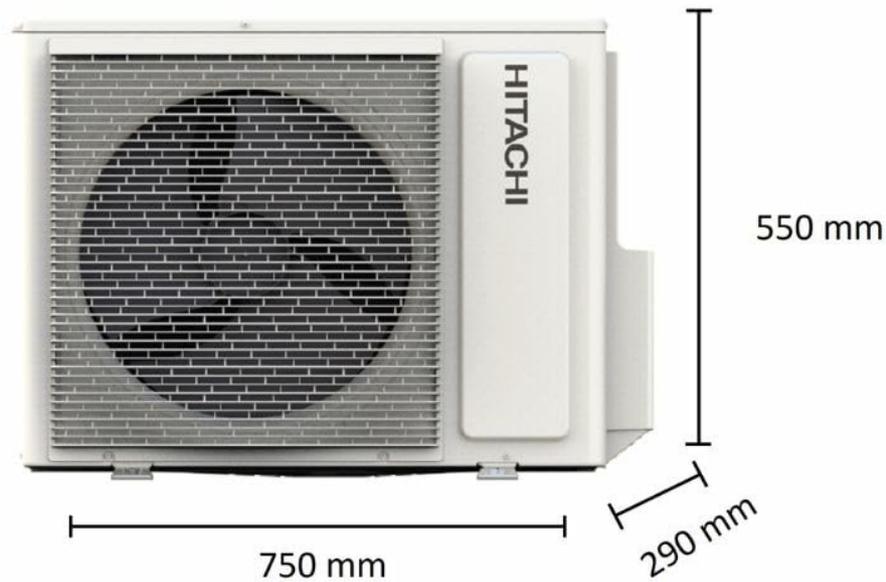


Figure 3: Outdoor unit with approximate dimensions (750mm width, 550mm height, 290mm depth).

4.3 Electrical Connection

All electrical wiring must comply with local and national electrical codes. Ensure the power supply is disconnected before making any electrical connections. A dedicated circuit breaker is recommended for the air conditioner.

4.4 Refrigerant Piping and Drain Hose

Connect the refrigerant pipes between the indoor and outdoor units. Ensure proper insulation and leak-free connections. The drain hose must be sloped downwards to allow for continuous drainage of condensate water.

5. OPERATING INSTRUCTIONS

Your Hitachi air conditioner is operated using the supplied wireless remote control. Ensure the remote control has fresh batteries installed.



Figure 4: Indoor unit with louvers open, ready for operation.

5.1 Remote Control Functions

- **POWER Button:** Turns the unit ON or OFF.
- **MODE Button:** Cycles through operating modes: Auto, Cool, Dry, Fan, Heat (if applicable).
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature setting.
- **FAN Button:** Selects fan speed (Auto, Low, Medium, High).
- **SWING Button:** Controls the vertical louver movement for air direction.
- **SLEEP Mode:** Activates the Sleep Mode, which gradually adjusts the temperature for comfortable sleep and energy saving.
- **TURBO Mode:** Provides rapid cooling by operating at maximum fan speed and compressor capacity.
- **TIMER Button:** Sets the ON/OFF timer.

5.2 Special Features

- **Expandable AC:** This feature allows the AC to expand its capacity under adverse temperature conditions, reducing humidity and reaching the set temperature faster.
- **Sleep Mode:** Optimizes cooling for night-time comfort by automatically adjusting temperature settings.

- **Inverter Compressor:** The variable speed compressor adjusts its power output based on the heat load, leading to energy efficiency and consistent cooling.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner. Always disconnect power before performing any maintenance.

6.1 Air Filter Cleaning

The air filters should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Open the front panel of the indoor unit.
2. Remove the air filters.
3. Clean the filters with a vacuum cleaner or wash them with lukewarm water and mild detergent.
4. Rinse thoroughly and allow them to dry completely in a shaded area before reinserting.
5. Close the front panel.

6.2 Outdoor Unit Cleaning

Periodically check the outdoor unit for any obstructions like leaves, dust, or debris. Gently clean the coil fins with a soft brush or vacuum cleaner. Do not bend the fins.

6.3 Seasonal Checks

Before the cooling season, ensure the drain hose is clear and free of blockages. Check for any unusual noises or odors during operation. If any issues are detected, contact customer support.

7. TROUBLESHOOTING

If you encounter issues with your air conditioner, refer to the following common problems and solutions. For more complex issues or error codes, contact qualified service personnel.

Problem	Possible Cause	Solution
Unit does not turn ON	No power supply; Remote control batteries depleted	Check circuit breaker; Replace remote control batteries
Insufficient cooling	Dirty air filters; Blocked outdoor unit; Room too large; Doors/windows open	Clean air filters; Clear obstructions; Ensure proper room size; Close doors/windows
Unusual noise	Loose parts; Obstruction in fan; Unit not level	Contact service technician
Water leakage from indoor unit	Blocked drain hose; Improper installation	Clear drain hose; Contact service technician

If the AC displays an error code, note the code and refer to the service manual or contact customer support for guidance.

8. SPECIFICATIONS

The following table lists the key specifications for the Hitachi Toshi Plus 1.5 TR 3-Star Inverter Split Air Conditioner.

Feature	Specification
Brand	Hitachi
Model Name/Number	RAK/RAS.E318PCBIB
Capacity	1.5 Tons
Energy Rating	3 Star (BEE guidelines)
Annual Energy Consumption	813.13 Units Per Year (as per BEE guidelines)
ISEER Value	5.02
Refrigerant	R-32
Compressor Type	Inverter Rotary
Noise Level (Indoor Unit)	42 Decibels
Product Dimensions (Indoor Unit D x W x H)	107D x 23.4W x 29H Centimeters
Voltage	230 Volts
Wattage	1385 KW
Control Method	Remote Control

9. WARRANTY INFORMATION

Your Hitachi Toshi Plus Air Conditioner comes with a comprehensive warranty to ensure peace of mind.

- **Compressor Warranty:** 10-year warranty on the Inverter Compressor.
- **Product Warranty:** Please refer to your purchase documentation for the standard warranty period on other parts of the product.

The warranty covers manufacturing defects. It does not cover damage caused by improper installation, misuse, neglect, unauthorized repairs, or natural disasters. Keep your purchase receipt as proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For any queries, service requests, or technical assistance, please contact Hitachi customer support.

- Refer to the contact information provided in your warranty card or on the official Hitachi website for your region.
- When contacting support, please have your model number (RAK/RAS.E318PCBIB) and purchase details ready.

